

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SCM 60497/WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/00011	International filing date (day/month/year) 06/01/2003	(Earliest) Priority Date (day/month/year) 02/02/2002
Applicant AVECIA LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

✓ **PROCESS FOR PREPARING CHAIN EXTENDED THERMOPLASTIC GUANIDINIUM POLYMERS**

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/00011

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08G85/00 C08F8/30 C09D11/00 B41M5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08G C08F C09D B41M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 743 345 A (SCITEX DIGITAL PRINTING, INC.) 20 November 1996 (1996-11-20) the whole document ---	1-16
X	WO 02 08301 A (MEMBRANA GMBH) 31 January 2002 (2002-01-31) the whole document ---	1-6
X	US 2001/046824 A1 (A. NIGAM) 29 November 2001 (2001-11-29) page 2, paragraph 18 -page 3, paragraph 32 page 5 -page 6, paragraph 71; claims 1-64 ---	1
X	US 4 559 058 A (B. BENNETT) 17 December 1985 (1985-12-17) the whole document --- -/--	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

19 May 2003

Date of mailing of the international search report

26/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Permentier, W

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/00011

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 425 805 A (R. BOTROS) 20 June 1995 (1995-06-20) the whole document ---	1,10
A	US 4 666 519 A (K. AKIYAMA) 19 May 1987 (1987-05-19) claims 1-18 ---	1
A	EP 0 566 270 A (XEROX CORPORATION) 20 October 1993 (1993-10-20) claims 1-10 ---	1,5
A	EP 1 172 224 A (NICCA CHEMICAL CO., LTD.) 16 January 2002 (2002-01-16) claims 1-6 ---	1,8
A	US 4 159 898 A (C. COHEN) 3 July 1979 (1979-07-03) claims 1-10 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/00011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 743345	A	20-11-1996	CA 2176857 A1 EP 0743345 A2	19-11-1996 20-11-1996
WO 0208301	A	31-01-2002	WO 0208301 A2 EP 1305347 A2	31-01-2002 02-05-2003
US 2001046824	A1	29-11-2001	US 6291023 B1 US 2003062506 A1 EP 1073785 A1 JP 2002512317 T WO 9954541 A1 EP 1073558 A1 EP 1073559 A1 JP 2002512313 T JP 2002512314 T WO 9954143 A1 WO 9954144 A1 US 2003059636 A1 US 6171444 B1 US 6197880 B1 US 6241787 B1 US 6197383 B1	18-09-2001 03-04-2003 07-02-2001 23-04-2002 28-10-1999 07-02-2001 07-02-2001 23-04-2002 23-04-2002 28-10-1999 28-10-1999 27-03-2003 09-01-2001 06-03-2001 05-06-2001 06-03-2001
US 4559058	A	17-12-1985	AT 209484 A AU 574689 B2 AU 2999084 A BE 900015 A1 CA 1227215 A1 CH 674289 A DE 3422822 A1 ES 8601360 A1 FR 2548232 A1 GB 2142642 A , B HK 21689 A IT 1199149 B JP 60021986 A NL 8401931 A ZA 8405000 A	15-03-1994 14-07-1988 03-01-1985 27-12-1984 22-09-1987 31-05-1990 03-01-1985 16-02-1986 04-01-1985 23-01-1985 17-03-1989 30-12-1988 04-02-1985 16-01-1985 26-02-1986
US 5425805	A	20-06-1995	DE 69526280 D1 DE 69526280 T2 EP 0672733 A1 JP 3179995 B2 JP 8034943 A	16-05-2002 14-11-2002 20-09-1995 25-06-2001 06-02-1996
US 4666519	A	19-05-1987	JP 1857967 C JP 5070675 B JP 61203182 A JP 1840079 C JP 5048267 B JP 61014270 A DE 3569564 D1 EP 0168694 A1	27-07-1994 05-10-1993 09-09-1986 25-04-1994 21-07-1993 22-01-1986 24-05-1989 22-01-1986
EP 566270	A	20-10-1993	US 5212008 A DE 69304973 D1 DE 69304973 T2 EP 0566270 A1	18-05-1993 31-10-1996 27-02-1997 20-10-1993

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/00011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 566270	A		JP 3230620 B2	19-11-2001
			JP 6040146 A	15-02-1994
			US 5320902 A	14-06-1994
EP 1172224	A	16-01-2002	JP 2000272236 A	03-10-2000
			EP 1172224 A1	16-01-2002
			US 6455137 B1	24-09-2002
			WO 0058107 A1	05-10-2000
US 4159898	A	03-07-1979	FR 2284601 A1	09-04-1976
			BE 833053 A1	04-03-1976
			DE 2539381 A1	18-03-1976
			IT 1042438 B	30-01-1980
			NL 7510639 A	12-03-1976
			US 4071459 A	31-01-1978
			US 4113637 A	12-09-1978